coil coupled to a piston, and actuation of the voice coil vibrates the piston in the direction parallel to the first axis.

12. The dual function transducer assembly of claim **11** wherein the voice coil is positioned within a voice coil gap formed at a length side of the magnet assembly.

13. The dual function transducer assembly of claim **9** wherein the second transducer function is a haptic output.

14. The dual function transducer assembly of claim **9** wherein the second transducer component comprises a shaker coil, and actuation of the shaker coil vibrates the magnet assembly in a direction parallel to the second axis.

15. The dual function transducer assembly of claim **14** wherein the shaker coil is positioned within a shaker coil gap formed at a width side of the magnet assembly.

16. The dual function transducer assembly of claim **14** wherein the shaker coil is a first shaker coil, and the system further comprises a second shaker coil.

17. The dual function transducer assembly of claim **9** wherein the magnet assembly is configured to direct a magnetic field into a first region of high magnetic field density and a second region of high magnetic field density, and wherein the first region of high magnetic field density actuates the first transducer component and the second region of high magnetic field density actuates the second transducer component.

18. The dual function transducer assembly of claim **17** wherein the first region of high magnetic field density is along a length side of the magnet assembly and the second region of high magnetic field density is along a width side of the magnet assembly.

19. The dual function transducer assembly of claim **9** wherein the first transducer component and the second transducer component are operable to be driven independently upon application of a current.

20. The dual function transducer assembly of claim **9** wherein the first transducer component and the second transducer component are operable to be driven together upon application of a current.

* * * * *